



Cement Mill Test Report

Plant: **Kamloops, British Columbia**
Product: **Portland Cement Type GUL**
Mill Test Report # **Kamloops_Type GUL_6_26**
Manufactured: **May 2026**

CSA A3001-23 Standard Requirements

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Result
Rapid Method, X-Ray			Air content of mortar (%) (C 185)	---	7.0
SiO ₂ (%)	---	20.2	Blaine Fineness (m ² /kg)	---	522
Al ₂ O ₃ (%)	---	4.9	Retained 45 um (%)		1.5
Fe ₂ O ₃ (%)	---	3.5	Compressive strength (MPa)		
CaO (%)	---	63.8	3 days	14.5 min	30.0
MgO (%)	---	0.8	7 days	20.0 min	37.0
SO ₃ (%)	3.0 max*	3.3	28 days (Reflects previous month's data)	26.5 min	43.7
Loss on ignition @ 950 (%)	10.0 max	4.3	Time of setting (minutes)		
Insoluble residue (%)	---	0.70	Vicat Initial	45-375	125
Free Lime (%)	---	1.0	Sulphate Resistance (C6)	---	0.025
Inorganic Process Addition (%)		0.0	A30004-C5	0.020 Max	0.00
Potential Phase Composition			Cement Density		3.09
C3A%	---	7			

CSA A3001 Optional Chemical Requirements

NaEq (Alkali) (%) 0.49

* May exceed 3.0% SO₃ maximum based on our A3004-C5 results of <0.020% expansion at 14 days.

We certify that the above described cement, at the time of shipment, meets the chemical and physical requirements of CSAS A3001 Type GUL

Certified By:

Robert Shogren
Technical Director
6/2/2026

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